

GENERAL NOTES:

FLORIDA BUILDING CODE HVHZ
LARGE MISSILE IMPACT RATED

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR DESIGNED, CONSTRUCTED AND TESTED PROVIDING PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. INSTALLATION OF HURRICANE PROTECTION DEVICES IS NOT REQUIRED.
- 3- POSTING: PRODUCT SHALL BE LABELED AS PER CURRENT FLORIDA BUILDING CODE CHAPTER 17.

"JUPITER GLASS SPECIALTIES, INC DBA
SOUTHEASTERN DOOR COMPANY - JUPITER - FLORIDA
SERIES ATLAS HP SLIDING GLASS DOOR
LARGE MISSILE IMPACT RATED
MIAMI-DADE PRODUCT CONTROL APPROVED

- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HERE IN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7, ARE PERMITTED TO BE MULTIPLE BY 0.6
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED IMPACT GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
- 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
- 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- DISSIMILAR MATERIALS: WHERE ALUMINUM IS IN CONTACT OR FASTENED TO DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, INSTALLATION SHALL MEET THE REQUIREMENTS OF THE CURRENT FBC.

DOOR UNIT SELECTION PROCEDURE AND INSTRUCTIONS TO USE THIS DRAWING TO VERIFY DOOR ADEQUACY PRESSURE

STEP 1 - SHEET 1 GENERAL NOTE 4: DETERMINE PROJECT DESIGNED PRESSURE (DP) AS INDICATED.

STEP 2 - SHEET 1 : COMPARE (DP) WITH PRODUCT DESIGN RATING, FUNCTION OF DOOR SIZES FW x FH AND POSITIVE PRESSURE OF THRESHOLD RISER

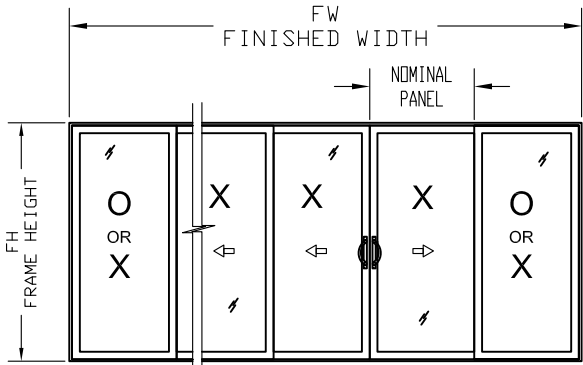
STEP 3 - SHEET 5, 6 & 7: SELECT FRAME ANCHORING IN ACCORDANCE WITH 2, 3, 4 OR 5 TRACK SELECTION.

STEP 4 - THE PRODUCT DESIGNED RATING MUST BE EQUAL OR GREATER THAN THE CALCULATED PROJECT WIND PRESSURE (PD)

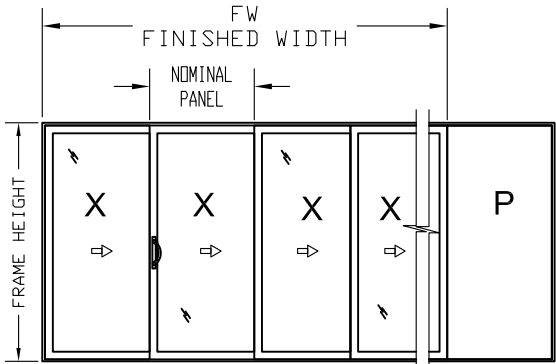
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PRODUCT DESIGN RATING AND QUALIFICATIONS



NOMINAL PANEL = FW / # OF PANELS



NOMINAL PANEL = FW / # OF PANELS
NOTE: POCKET IS NOT TO BE INCLUDED IN THE FW

DESIGN PRESSURE RATING	IMPACT RATING	PANEL SIZES	MAX. FW X FH
+65 PSF -75 PSF	LARGE MISSILE IMPACT	52" X 101 1/4" NOMINAL MODULE	312" X 102 1/2"
±50 PSF	LARGE MISSILE IMPACT	48" X 118.75" NOMINAL MODULE	288" X 120"

POSITIVE (EXTERIOR) DP SELECTION

THRESHOLD RISER TYPE	MAXIMUM PRESSURES (PSF)	
	CASE 1	CASE 2
3-1/4"	+65	+65
2"	+65	+50
13/16"	+65	--

NOTES:

- 1- CASE 1: MAXIMUM POSITIVE PRESSURES FOR 3-1/4", 2" OR 13/16" THRESHOLD WITH OVERHANG AS PER ILLUSTRATION "Z".
- 2- CASE 2: MAXIMUM POSITIVE PRESSURES FOR 3-1/4" AND 2" THRESHOLD RISER W/OUT THE OVERHANG.
- 3- THE POSITIVE PRESSURE SHALL BE THE LESSER VALUE FROM THE ABOVE TABLE

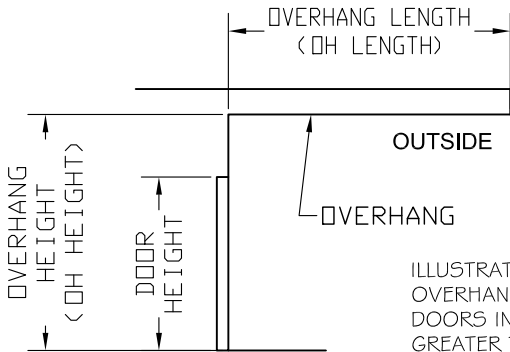


ILLUSTRATION "Z"
OVERHANG IN COMPLIANCE WITH THE FBC REQUIREMENTS. DOORS INSTALLED WHERE THE OVERHANG (OH) RATIO IS GREATER TO OR MORE THAN 1 NEED NOT TO BE TESTED FOR WATER INFILTRATION. THE OH RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION
OH RATIO = OH LENGTH / OH HEIGHT >= 1.0



SOUTHEASTERN DOOR COMPANY

1505 COMMERCE LANE
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PH: (561) 746-5493

TITLE:
SERIES "ATLAS HP"
(LARGE MISSILE IMPACT)
GENERAL NOTES, PRODUCT DESIGN
RATING AND QUALIFICATIONS

PREPARED BY:

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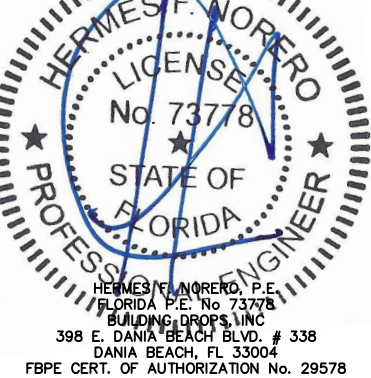
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.06.12 16:53:08 -0400



FL #:

FL16271

DATE: 08.02.18

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HR

CHK. BY:
HFN

SCALE: NTS

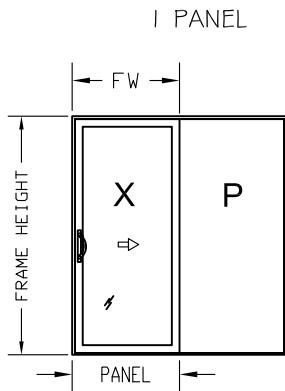
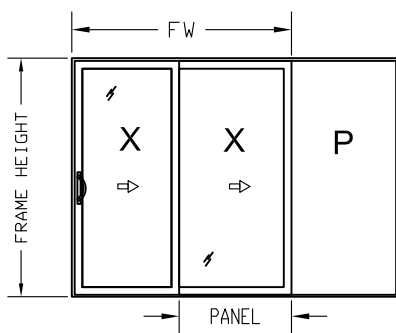
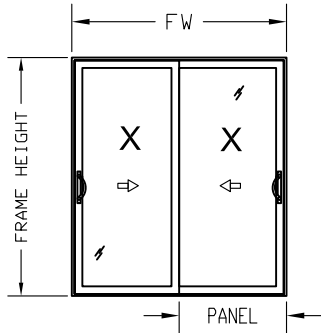
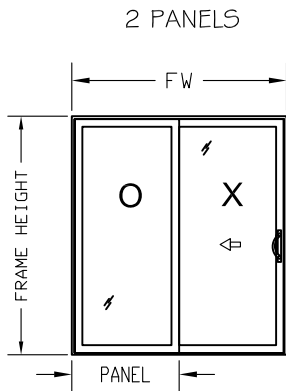
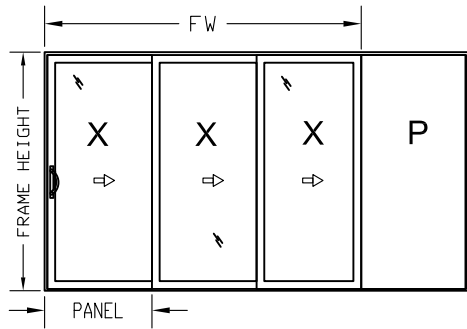
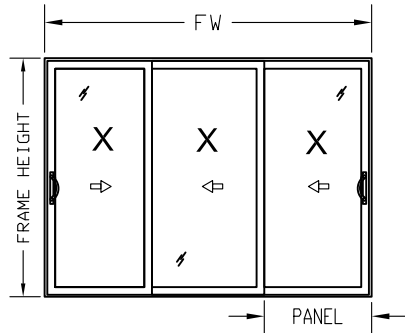
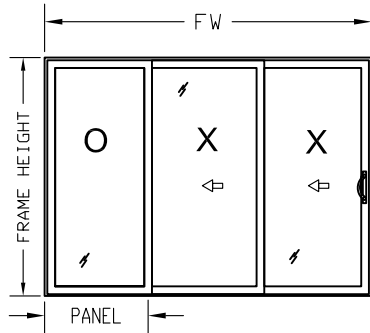
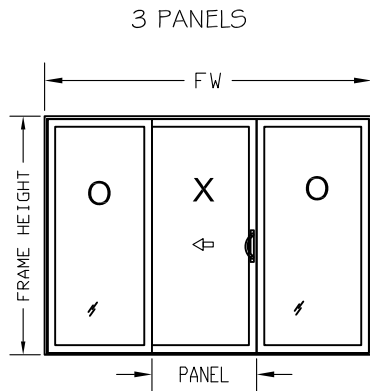
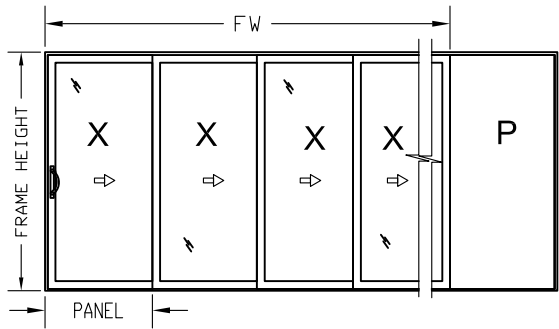
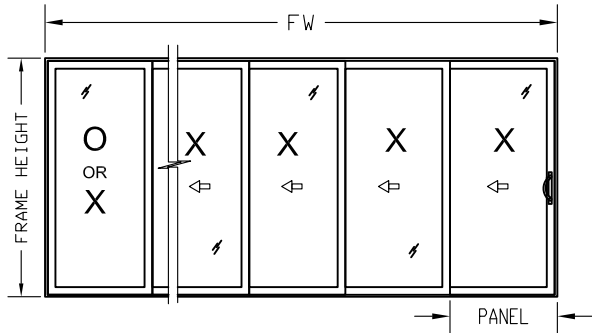
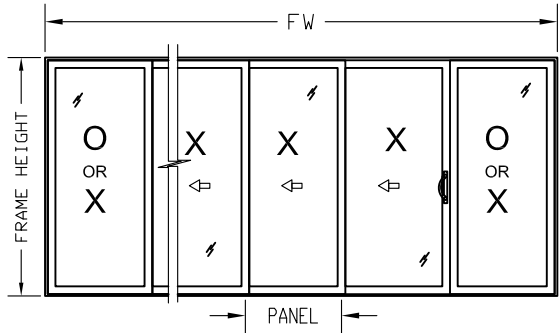
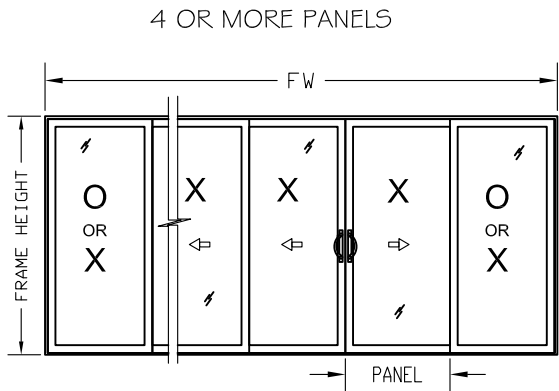
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OF 11

DOORS SAMPLE ELEVATIONS WITH OPERABLE AND FIXED PANELS AND POCKET CONFIGURATIONS



P- POCKET
X- OPERABLE PANEL
O- FIXED PANEL

DOOR CAN BE CONFIGURED WITH AS MANY PANELS AS THE TWO, THREE, FOUR OR FIVE TRACK SYSTEM CAN FIT, LIMITED TO THE MAXIMUM TESTED FRAME WIDTH.

MAXIMUM DLO= 46 5/8" X 94 1/16" FOR 52" X 102 1/2" NOMINAL PANELS
MAXIMUM DLO= 42 5/8" X 111 9/16" FOR 48" X 120" NOMINAL PANELS



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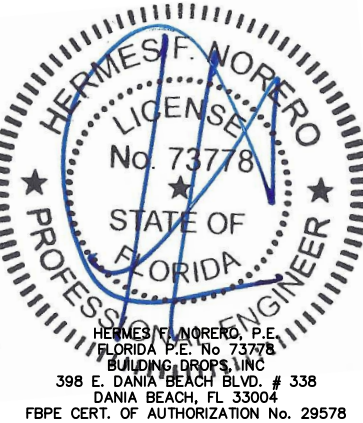
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PH: (561) 746-5493

TITLE: **SERIES "ATLAS HP"**
(LARGE MISSILE IMPACT)
DOOR SAMPLE ELEVATIONS WITH
FIXED AND OPERABLE PANELS AND
POCKET CONFIGURATION

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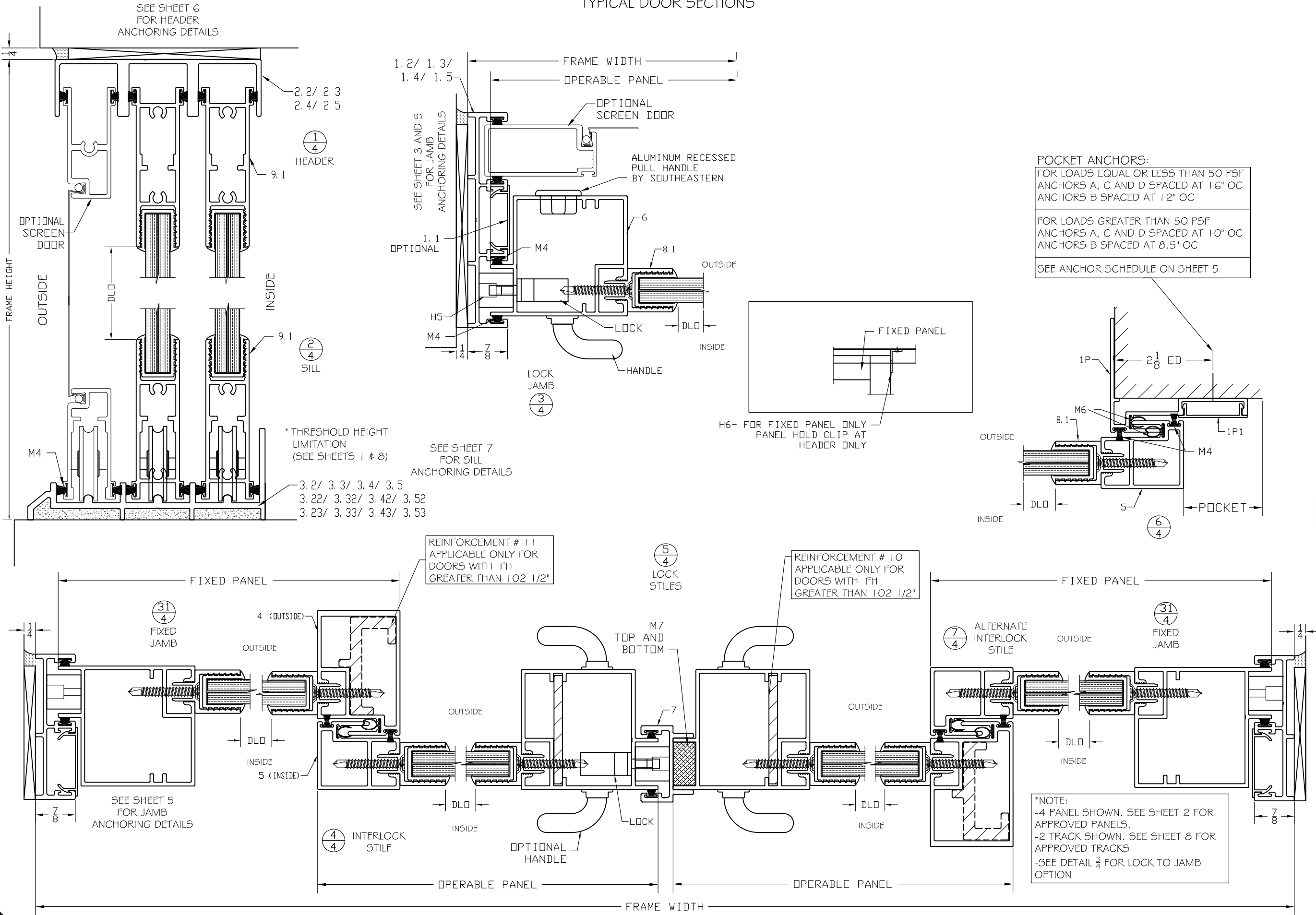


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TYPICAL DOOR SECTIONS



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DOOR SECTION
DETAILS

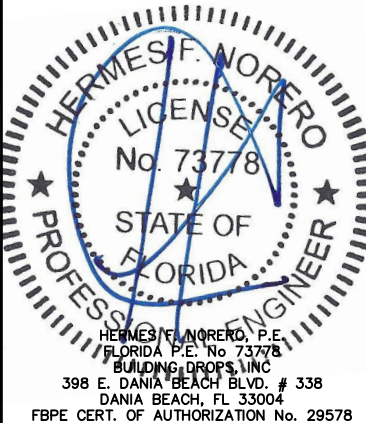
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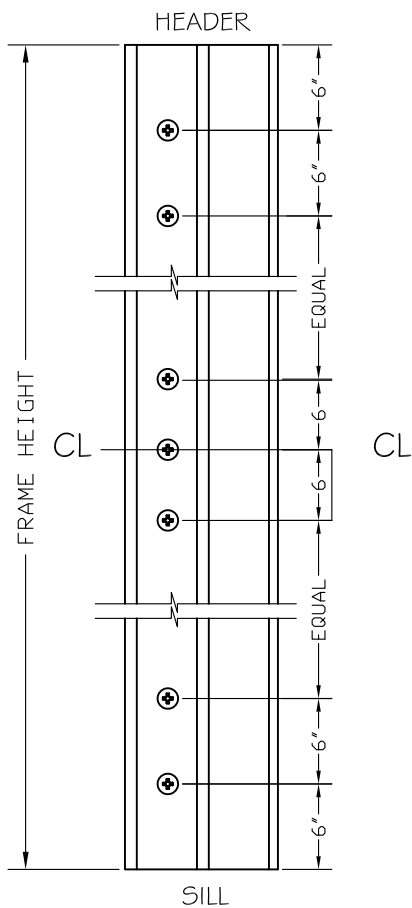
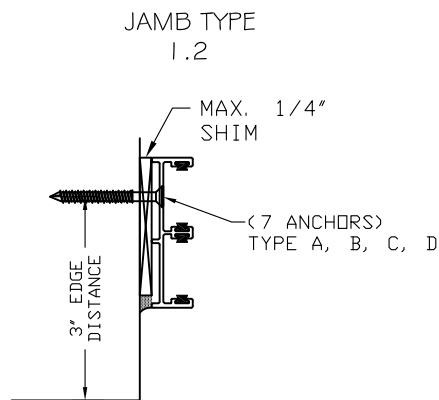
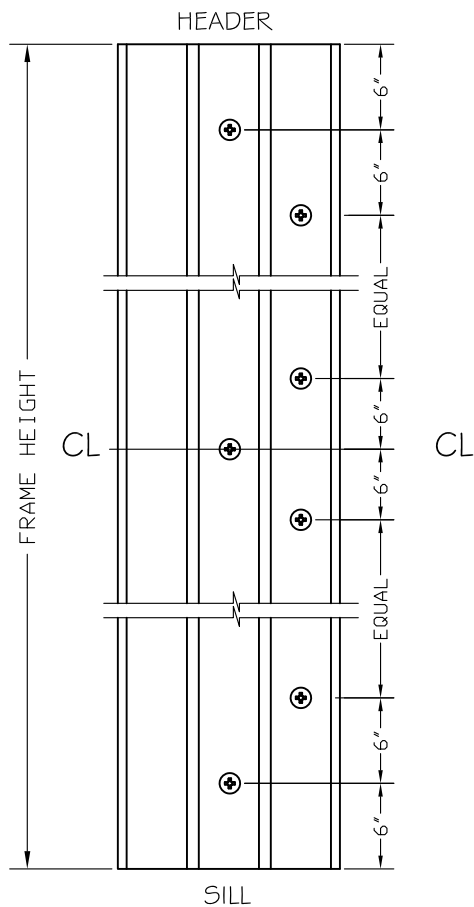
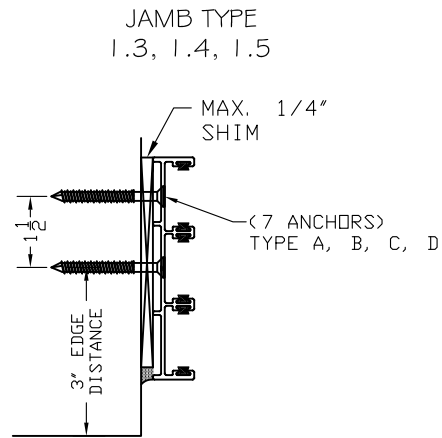
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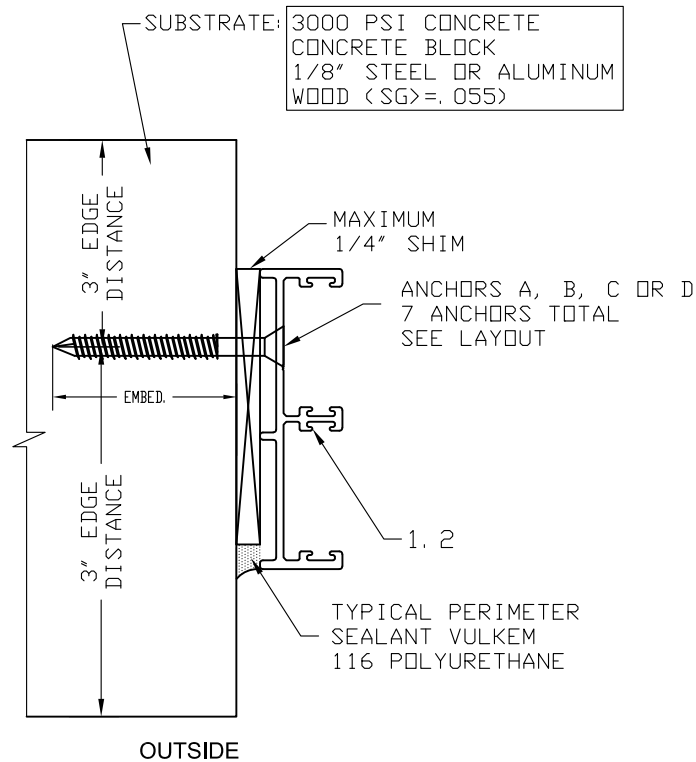
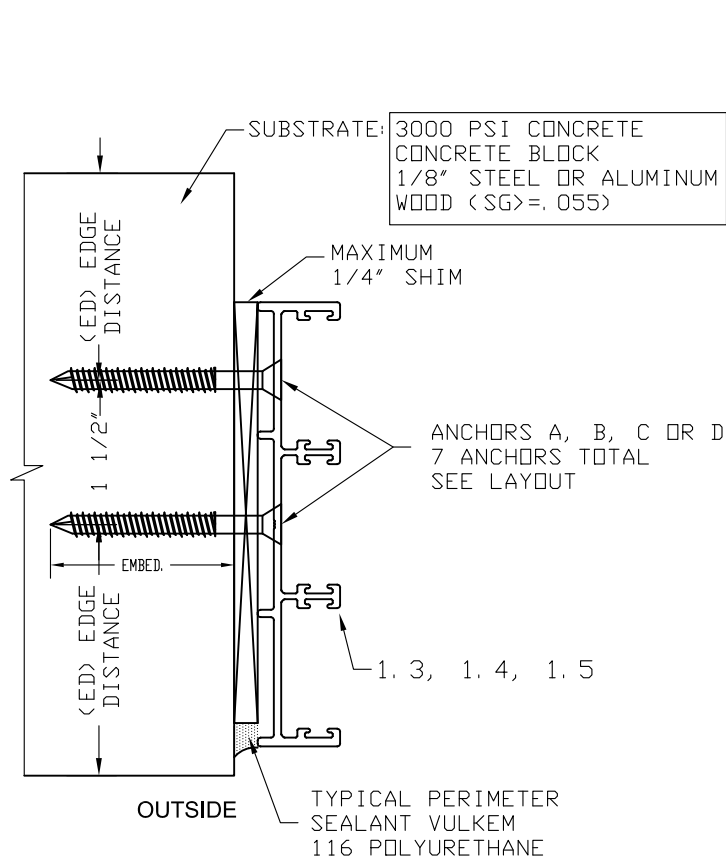
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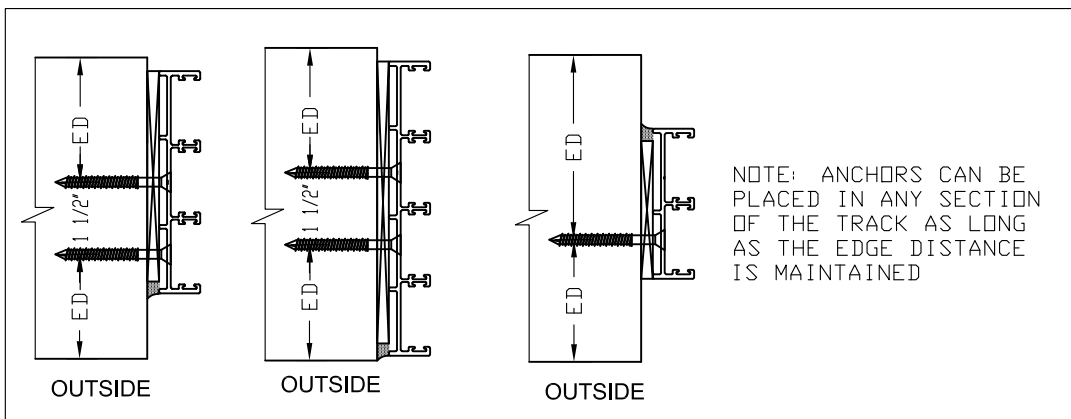
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JAMB FRAMING ANCHORAGE DETAILS



FOR INSTALLATION WITH 1X & 2X WOOD BUCK
WOOD BUCKS TO BE PROVIDED BY OTHERS AND TO BE PROPERLY
ENGINEERED AND SECURED TO TRANSFER IMPOSED LOADS.



NOTE: ANCHORS CAN BE
PLACED IN ANY SECTION
OF THE TRACK AS LONG
AS THE EDGE DISTANCE
IS MAINTAINED

ANCHOR SCHEDULE

TYPE	DESCRIPTION	EMBEDMENT	SUBSTRATE	EDGE DISTANCE
A	1/4" TAPCON BY ITW	1 3/4" MIN.	3000 psi CONCRETE	3"
B	1/4" TAPCON BY ITW	1 1/4" MIN.	MASONRY BLOCK	3"
C	1/4" TAPCON BY ITW	1 1/2" MIN.	PT WOOD (SG=.55)	3/4"
D	1/4-14 GR 5 SMS	MIN. 3 THREADS	METAL STRUCTURES	3/4"

NOTES:

- 1- MINIMUM EMBEDMENT ARE BEYOND WALL DRESSING.
- 2- METAL STRUCTURES ARE TO BE ASTM A36 STEEL OR 6063-T6 ALUMINUM
- 3- ANCHOR TYPE D MUST HAVE A MINIMUM 3 THREADS EMBEDMENT PASS SUBSTRATE
- 4- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90 WITH MINIMUM 2000 PSI
- 5- ANCHORS A, B AND C: YIELD STRENGTH $F_y=100$ KSI, ULTIMATE STRENGTH $F_u=125$ KSI
- 6- ANCHORS D: YIELD STRENGTH $F_y=92$ KSI, ULTIMATE STRENGTH $F_u=120$ KSI



SOUTHEASTERN DOOR COMPANY

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(LARGE MISSILE IMPACT)
JAMB FRAMING ANCHOR
DETAILS

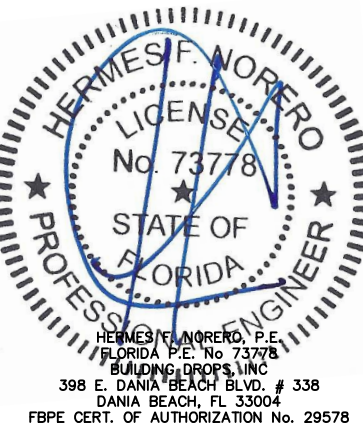
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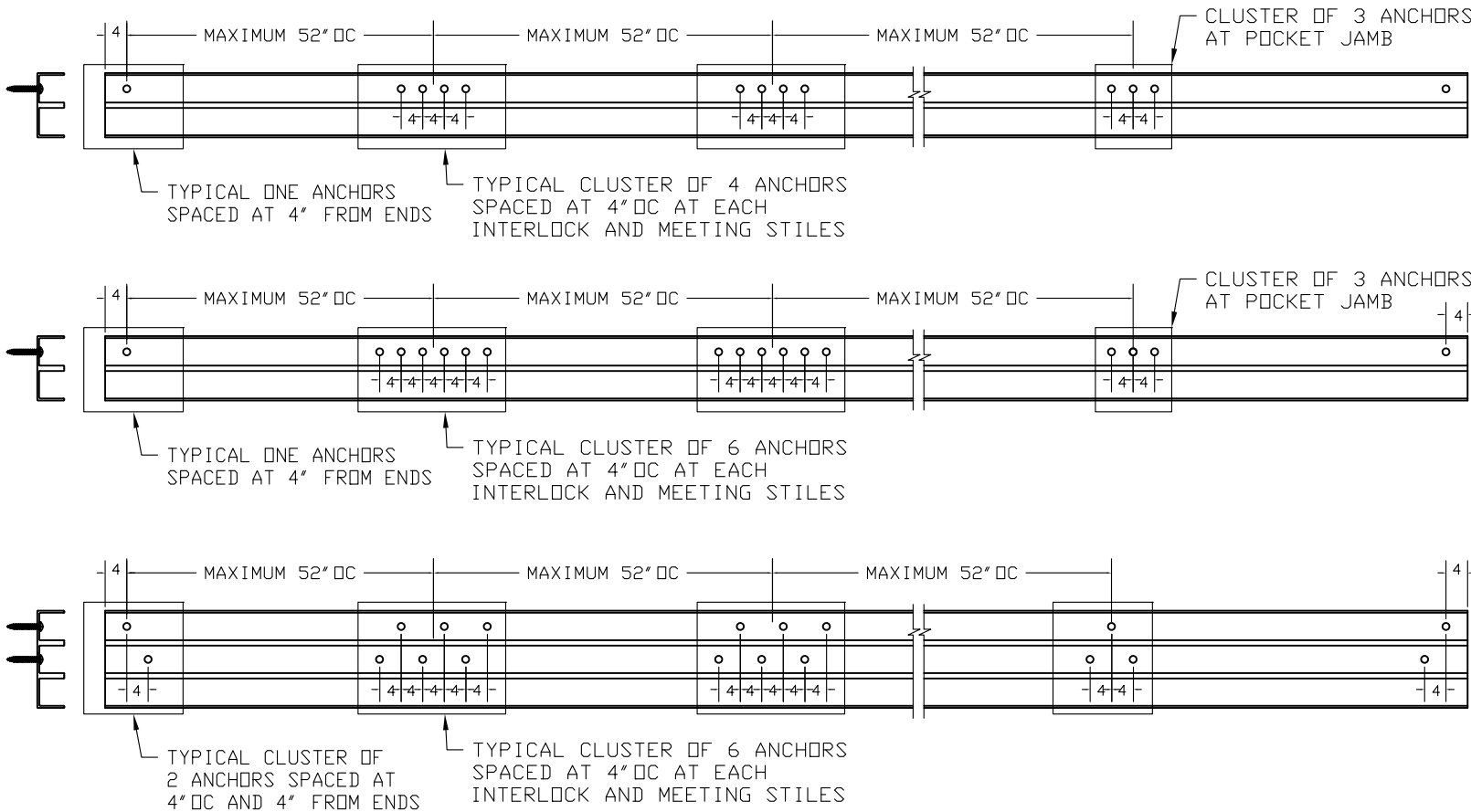
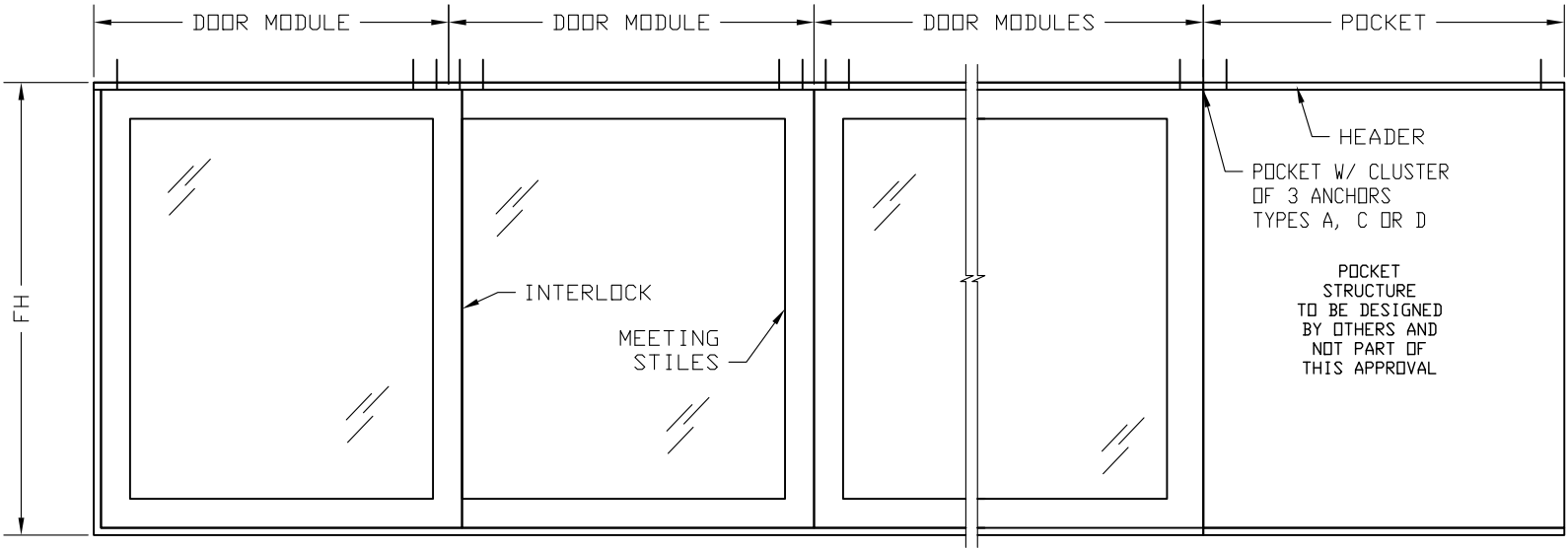
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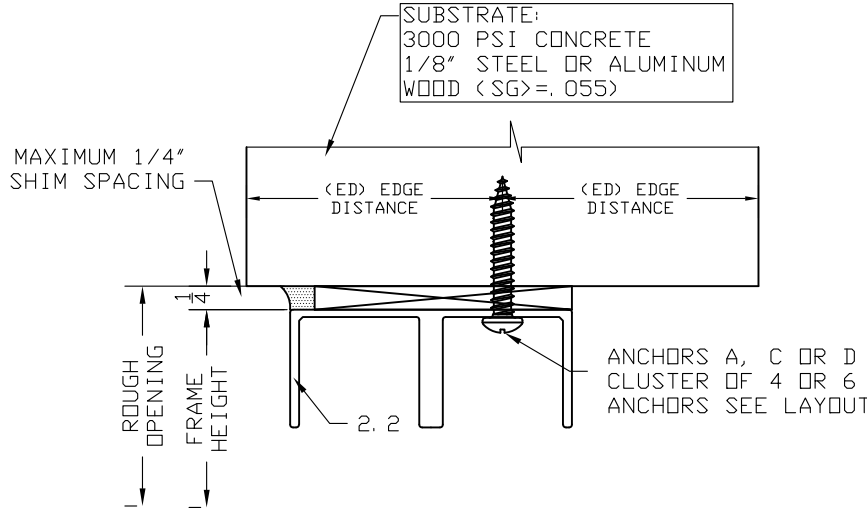
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HEADER FRAMING ANCHORAGE DETAILS



NOTE: ANCHORS CAN BE PLACED IN ANY SECTION OF THE TRACK AS LONG AS THE EDGE DISTANCE IS MAINTAINED



2 TRACK SYSTEMS ANCHORS TYPE A OR D

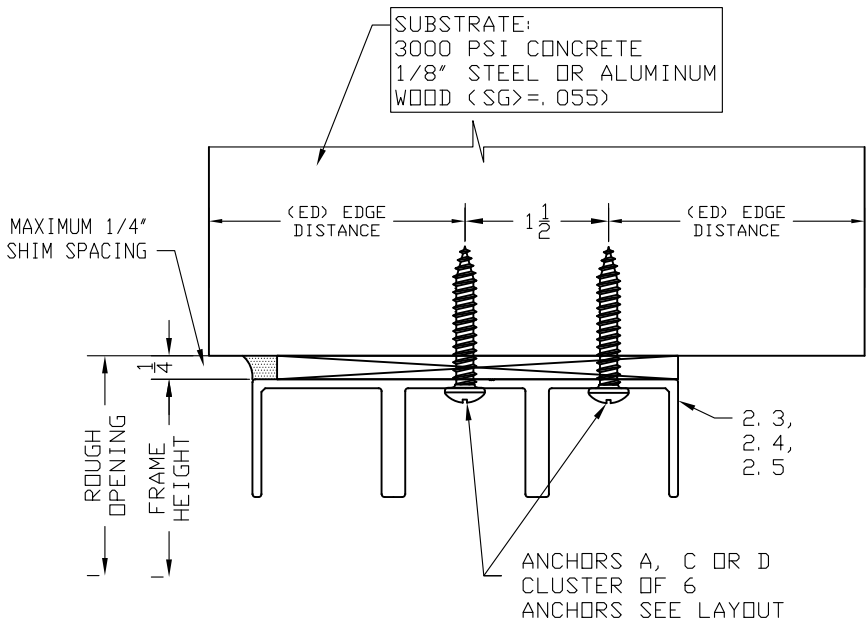
2 TRACK SYSTEMS ANCHORS TYPE C

3, 4 AND 5 TRACK SYSTEMS ANCHORS TYPE A, C OR D

ANCHOR SCHEDULE

TYPE	DESCRIPTION	EMBEDMENT	SUBSTRATE	ED
A	1/4" TAPCON BY ITW	1 3/4" MIN.	3000 p _{si} CONCRETE	3"
C	1/4" TAPCON BY ITW	1 1/2" MIN.	PT WOOD (SG=.55)	3/4"
D	1/4-14 GR 5 SMS	MIN. 3 THREADS	METAL STRUCTURES	3/4"

- NOTES:
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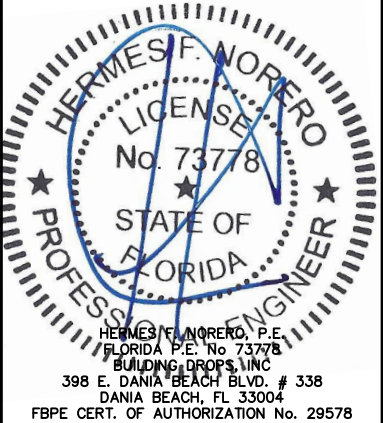
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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL16271**

DATE: **08.02.18**

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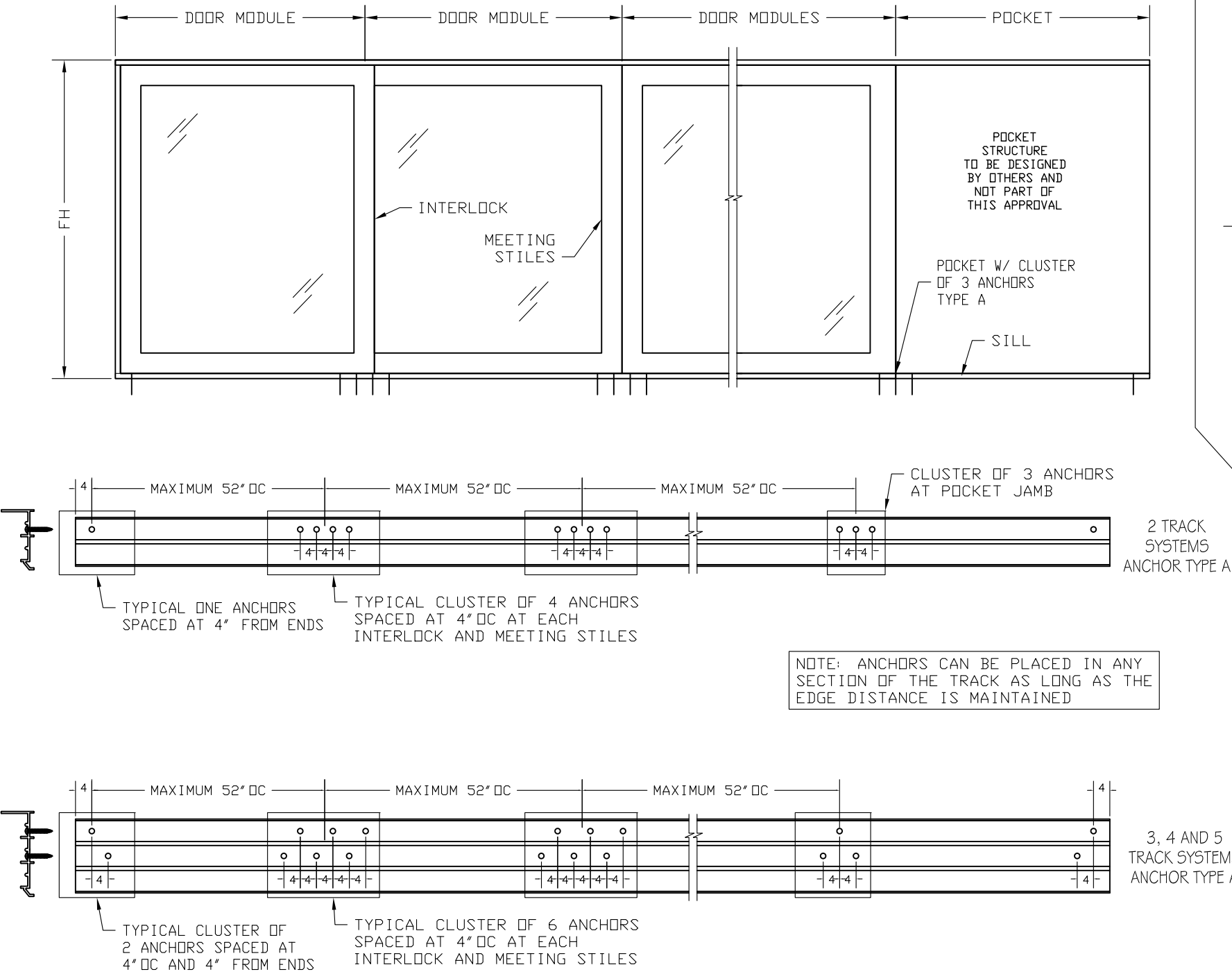
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SILL FRAMING ANCHORAGE DETAILS

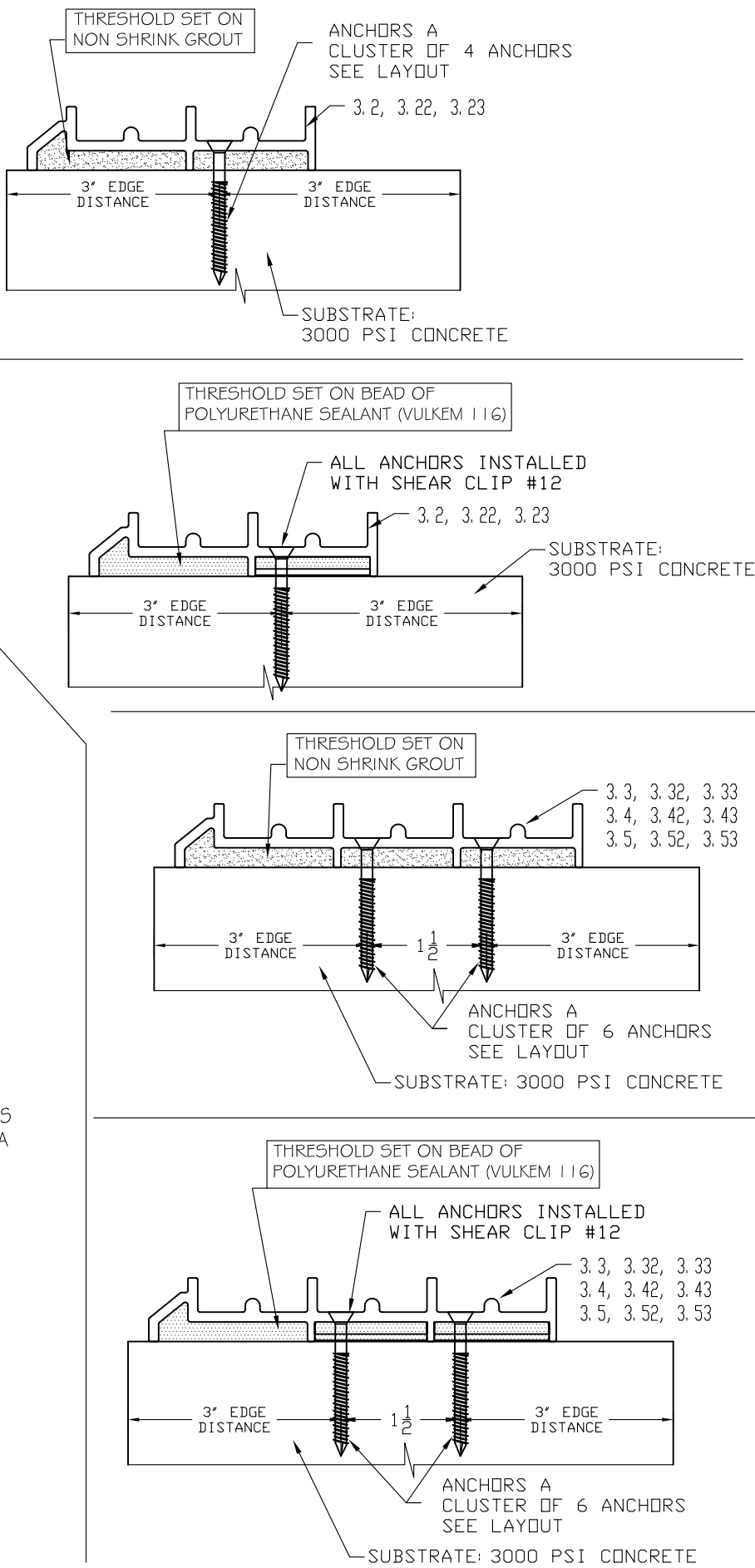


ANCHOR SCHEDULE

TYPE	DESCRIPTION	EMBEDMENT	SUBSTRATE	ED
A	1/4" TAPCON BY ITW	1 3/4" MIN.	3000 psi CONCRETE	3"

- NOTES:
- 1- MINIMUM EMBEDMENT ARE BEYOND WALL DRESSING.
- 2- ANCHORS A: YIELD STRENGTH $F_y = 100$ KSI, ULTIMATE STRENGTH $F_u = 125$ KSI

FOR INSTALLATION WITH 1X & 2X WOOD BUCK
WOOD BUCKS TO BE PROVIDED BY OTHERS AND TO BE PROPERLY
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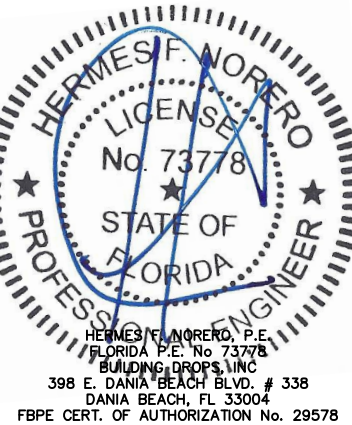
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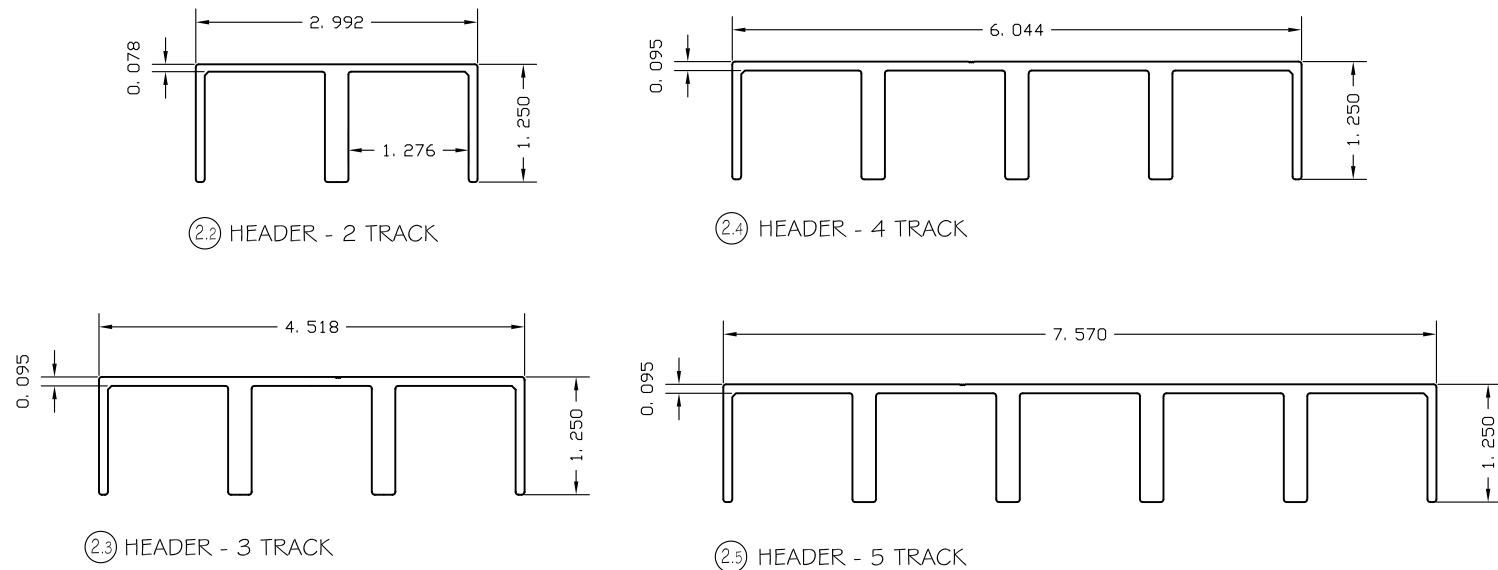
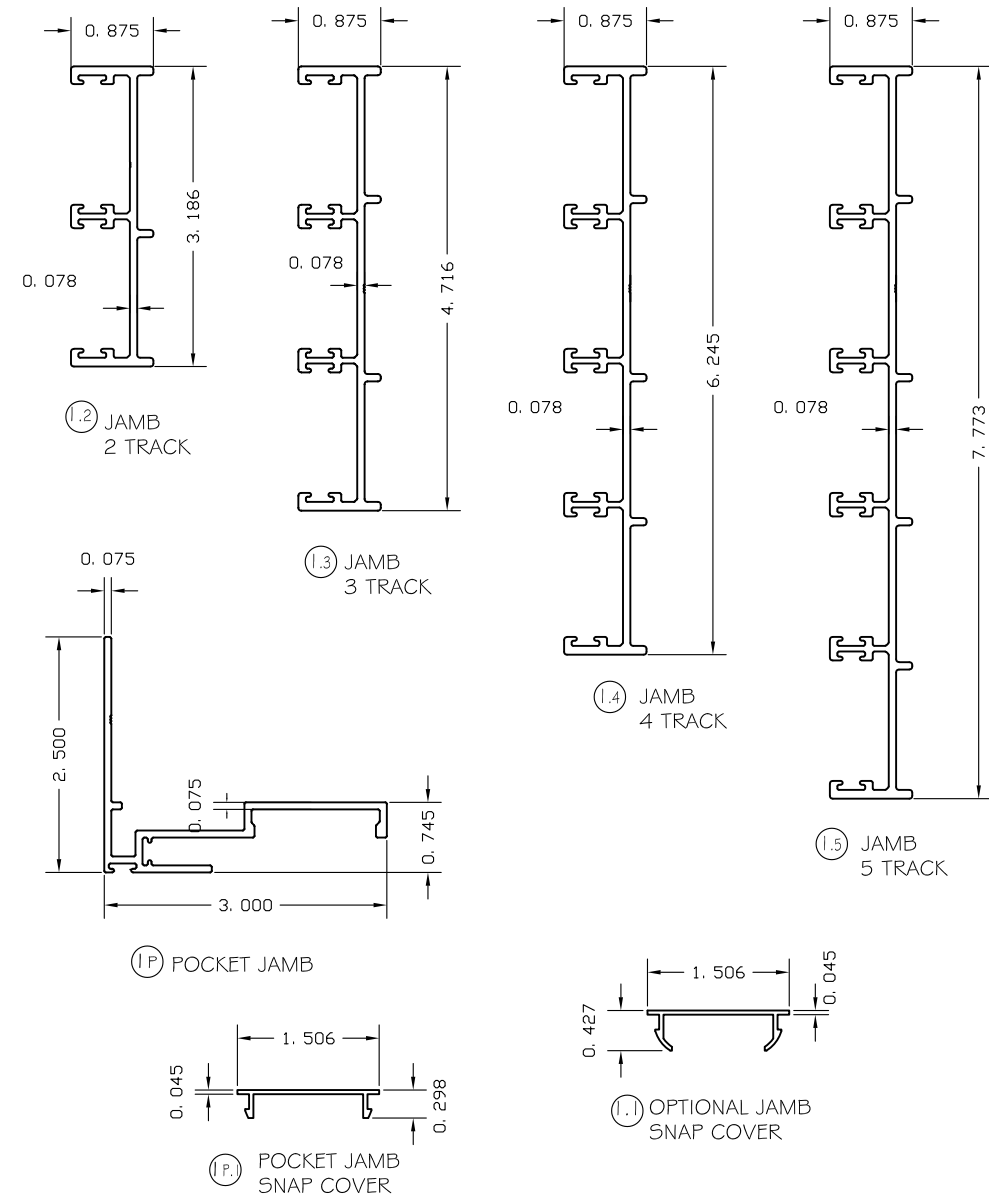
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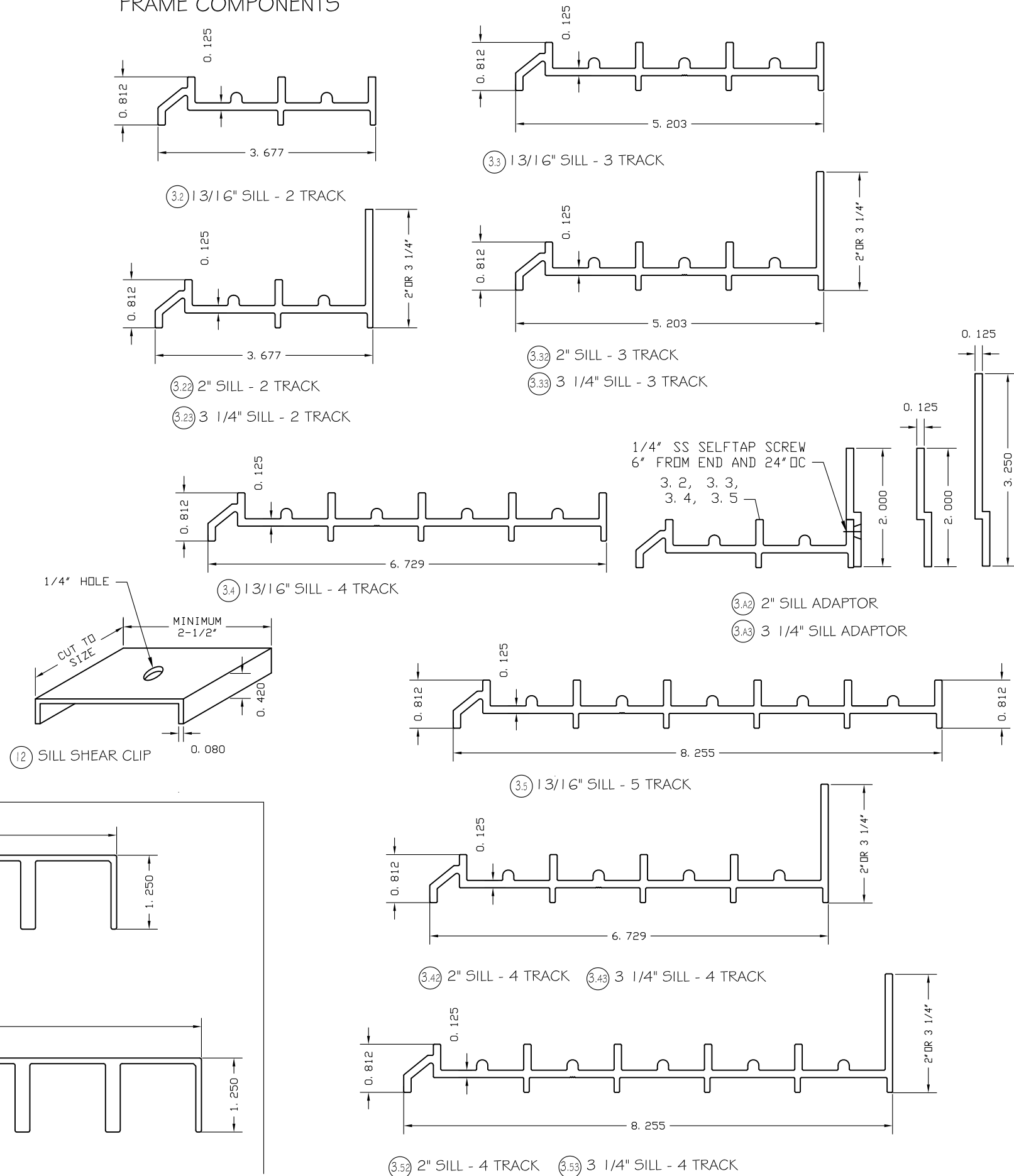
FL #:	FL16271
DATE:	08.02.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SDC003
SHEET:	7

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FRAME COMPONENTS



SOUTHEASTERN DOOR COMPANY

1505 COMMERCE LANE
JUPITER, FL 33458
PH: (561) 746-5493

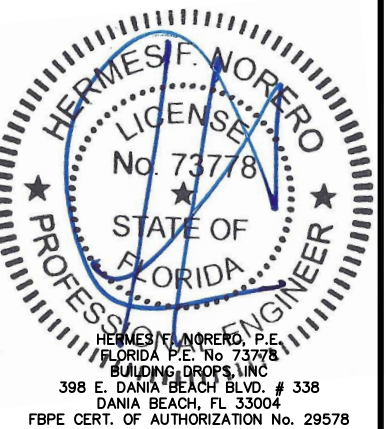
TITLE:
SERIES "ATLAS HP"
(LARGE MISSILE IMPACT)
FRAMING DIE
COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



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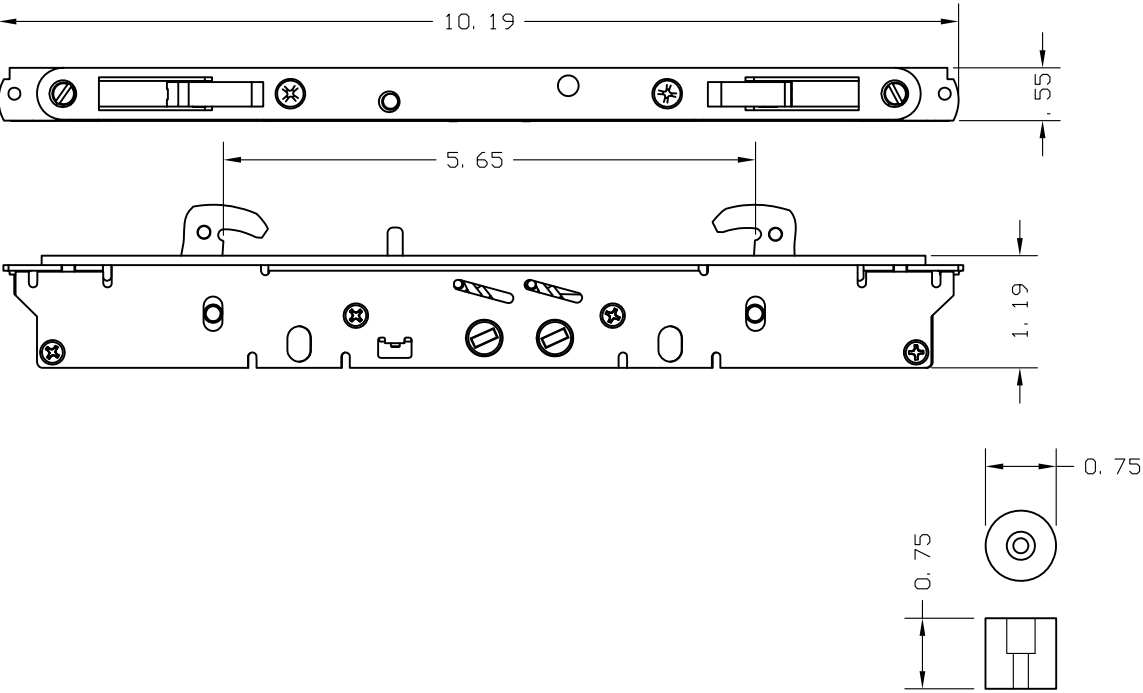
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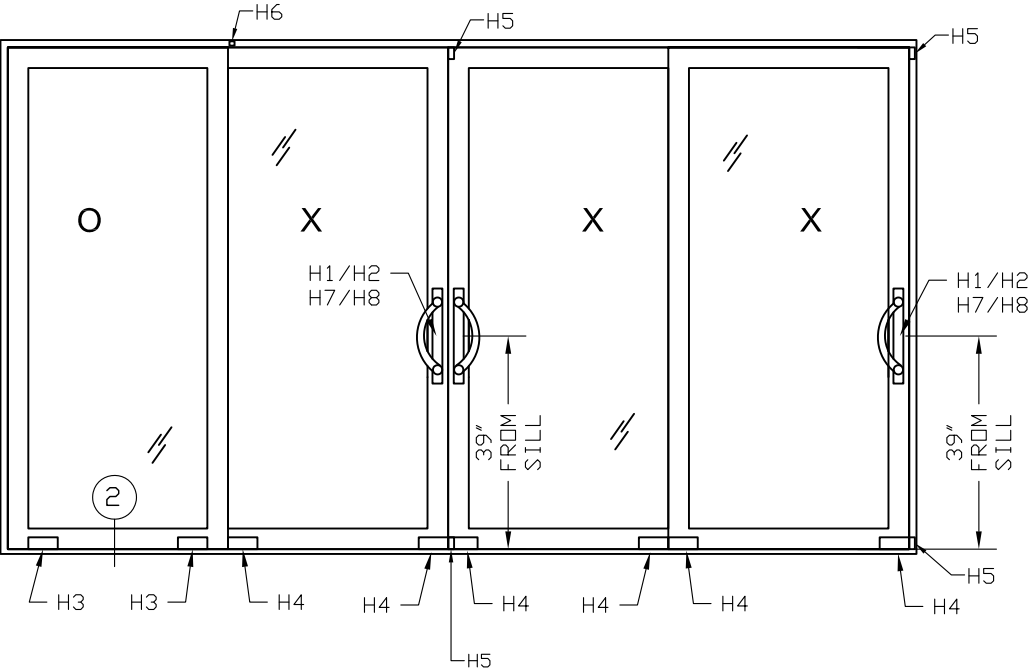
PANEL HARDWARE

(H1) 2 POINT DEAD LOCK

1 MULTIPoint MORTISE LOCK PER LOCK MEETING STILE
HARDWARE SUPPLIER: AMESBURY
PART #2815-84
ATTACHED TO THE DOOR WITH (2) #6X 1/4" SS FLAT HEAD SCREWS.



DOOR HARDWARE TYPICAL

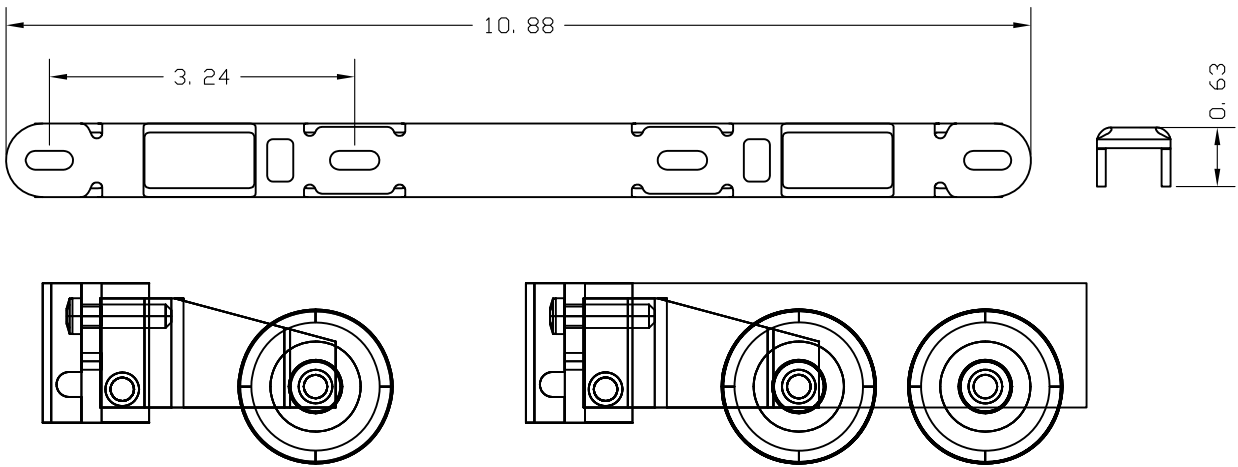


H5- ACTIVE DOOR STILE BUMPER
2 PER EACH LOCKING STILE SECURED TO THE TOP AND BOTTOM OF THE VERTICAL
LOCKING STILE WITH (1) 1/4" SMS

H6- 1/8-1X1 FIXED PANEL HOLD CLIP
1 PER EACH FIXED PANEL SECURED ONLY TO THE TOP HEADER WITH (1) #8 SMS.

(H2) 2 POINT DEAD LOCK STRIKE PLATE

1 KEEPER PER MEETING STILE OR JAMB
HARDWARE SUPPLIER: AMESBURY
PART #2470-84
ATTACHED AT JAMB OR ASTRAGAL RAIL
USING FOUR W/ #10-16X 1-1/2" PHSMS.

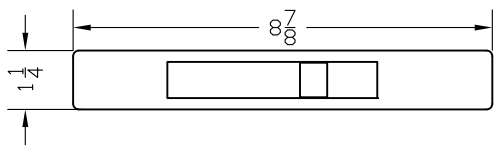


(H3) SINGLE WHEEL ASSEMBLY

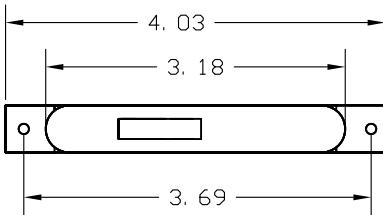
2 PER FIXED DOOR PANEL
HARDWARE SUPPLIER: SOUTHEASTERN DOOR COMPANY
PART #1966-7000-12
ADJUSTABLE 1 11/16" DIAMETER DELRIN ROLLER
ASSEMBLY WITH ALUMINUM HOUSING ATTACHED TO
THE BOTTOM RAIL USING ONE 1/4"X1 SS ROD.

(H4) TANDEM WHEEL ASSEMBLY

2 PER OPERABLE DOOR PANEL
HARDWARE SUPPLIER: SOUTHEASTERN DOOR COMPANY
PART #1966-7501-14
ADJUSTABLE 1 11/16" DIAMETER DELRIN ROLLER
ASSEMBLY WITH ALUMINUM HOUSING ATTACHED TO
THE BOTTOM RAIL USING ONE 1/4"X1 SS ROD.

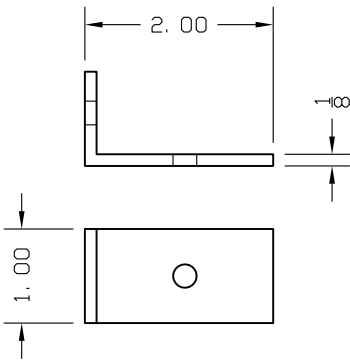


(H9) ALUM. RECESSED PULL HANDLE
SUPPLIER: SOUTHEASTERN DOOR COMPANY

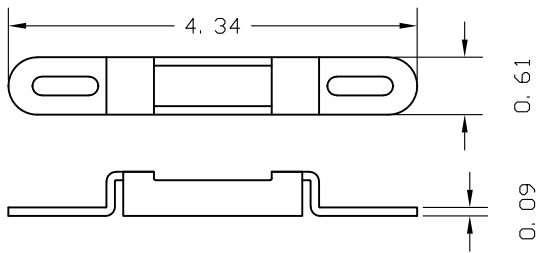


(H7) SINGLE DEAD LOCK

1 LOCK PER LOCK MEETING STILE
HARDWARE SUPPLIER: AMESBURY
PART #537-84
ATTACHED TO THE DOOR WITH
(2) #6X 1/4" SS FLAT HEAD SCREWS.



(H6) FIXED PANEL HOLD CLIP



(H8) SINGLE DEAD LOCK STRIKE PLATE

1 PLATE PER LOCK
HARDWARE SUPPLIER: AMESBURY
PART #537-84
ATTACHED TO THE DOOR WITH (2) #10-16" SS FH SMS



SOUTHEASTERN DOOR COMPANY

1505 COMMERCE LANE
JUPITER, FL 33458
PH: (561) 746-5493

TITLE:
SERIES "ATLAS HP"
(LARGE MISSILE IMPACT)

PANEL HARDWARE

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954) 399-8478

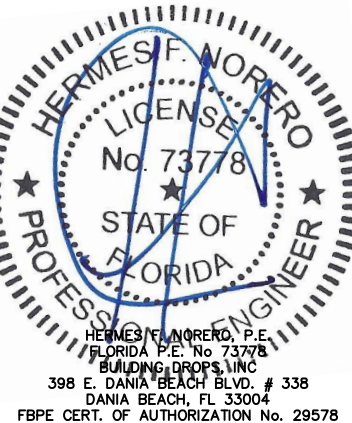
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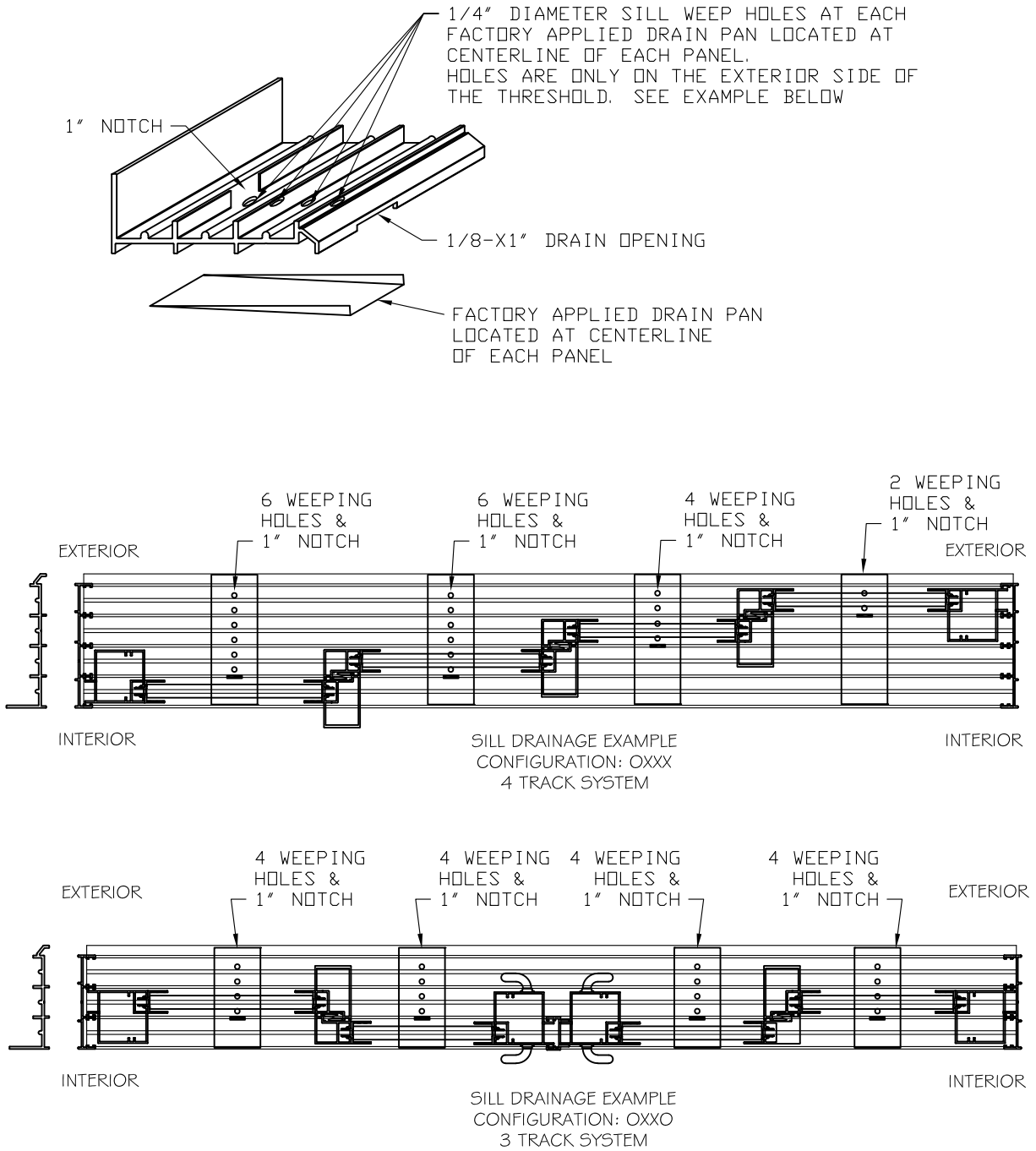
LIST OF COMPONENTS

ITEM	DESCRIPTION	MATERIAL	SUPPLIER
1	JAMB FRAMING & ACCESSORIES		
1.1	OPTIONAL JAMB SNAP COVER	6063-T5 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1.2	2 TRACK - JAMB FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1.3	3 TRACK - JAMB FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1.4	4 TRACK - JAMB FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1.5	5 TRACK - JAMB FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1P	POCKET JAMB	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
1P.1	POCKET JAMB SNAP COVER	6063-T5 ALUMINUM	SOUTHEASTERN DOOR COMPANY
2	HEADER FRAMING		
2.2	2 TRACK - HEADER FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
2.3	3 TRACK - HEADER FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
2.4	4 TRACK - HEADER FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
2.5	5 TRACK - HEADER FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3	SILL FRAMING		
3.2	2 TRACK - 13/16" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.22	2 TRACK - 2" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.23	2 TRACK - 3 1/4" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.3	3 TRACK - 13/16" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.32	3 TRACK - 2" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.33	3 TRACK - 3 1/4" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.4	4 TRACK - 13/16" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.42	4 TRACK - 2" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.43	4 TRACK - 3 1/4" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.5	5 TRACK - 13/16" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.52	5 TRACK - 2" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.53	5 TRACK - 3 1/4" SILL FRAME	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.A2	2" SILL ADAPTOR	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
3.A3	3 1/4" SILL ADAPTOR	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
4	ATLAS INTERLOCK STILE	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
5	ATLAS NARROW INTERLOCK STILE	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
6	ATLAS DOOR END RAIL	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
7	ATLAS DOOR ASTRAGAL	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
8	IG GLAZING ADAPTOR	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
8.1	GLAZING ADAPTOR	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
9	IG ATLAS DOOR TOP / BOTTOM RAIL	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
9.1	ATLAS DOOR TOP / BOTTOM RAIL	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
10	END RAIL REINFORCEMENT	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
11	INTERLOCK REINFORCEMENT	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY
12	SILL SHEAR CLIP	6063-T6 ALUMINUM	SOUTHEASTERN DOOR COMPANY

ITEM	DESCRIPTION	MATERIAL	SUPPLIER
M1	1/2" GLAZING GASKET	PVC	TEAM PLASTICS INC
M2	13/16" GLAZING GASKET	PVC	TEAM PLASTICS INC
M3	W11175 PILE WEATHER STRIPPING		ULTRAFAB
M4	W11205 PILE WEATHER STRIPPING		ULTRAFAB
M5	9/16" GLAZING GASKET	PVC	TEAM PLASTICS INC
M6	BULB VINYL	NEOPRENE	ULTRAFAB
M7	DUST PLUG		ULTRAFAB

ITEM	DESCRIPTION	MATERIAL	SUPPLIER
H1	2 POINT DEAD LOCK	STAINLESS STEEL	AMESBURY
H2	2 POINT LOCK STRIKE PLATE	STAINLESS STEEL	AMESBURY
H3	SINGLE WHEEL ASSEMBLY	ALUM. / NYLON	SOUTHEASTERN DOOR COMPANY
H4	TANDEM WHEEL ASSEMBLY	ALUM. / NYLON	SOUTHEASTERN DOOR COMPANY
H5	DOOR BUMPER	80 SHORE A NBR.	FRANK LOWE RUBBER & GASKER CO.
H6	FIXED PANEL HOLD CLIP W/ #8 SCREW	6063-T5 ALUMINUM	SOUTHEASTERN DOOR COMPANY
H7	SINGLE DEAD LOCK	STAINLESS STEEL	SOUTHEASTERN DOOR COMPANY
H8	SINGLE STRIKE PLATE	STAINLESS STEEL	AMESBURY
H9	RECESSED PULL HANDLE	CAST ALUMINUM	SOUTHEASTERN DOOR COMPANY

SILL DRAINAGE



DRAINAGE NOTE:
WEEP HOLES ARE INSTALLED UNDER ALL PANELS EXCEPT IN THE INNER TRACK

S

E

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FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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